

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110823\  
 Data File : VN080006.D  
 Acq On : 08 Nov 2023 21:31  
 Operator : JC\MD  
 Sample : 05231-03 10X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 14B-3

Quant Time: Nov 09 04:30:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N110823W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Nov 09 04:02:05 2023  
 Response via : Initial Calibration

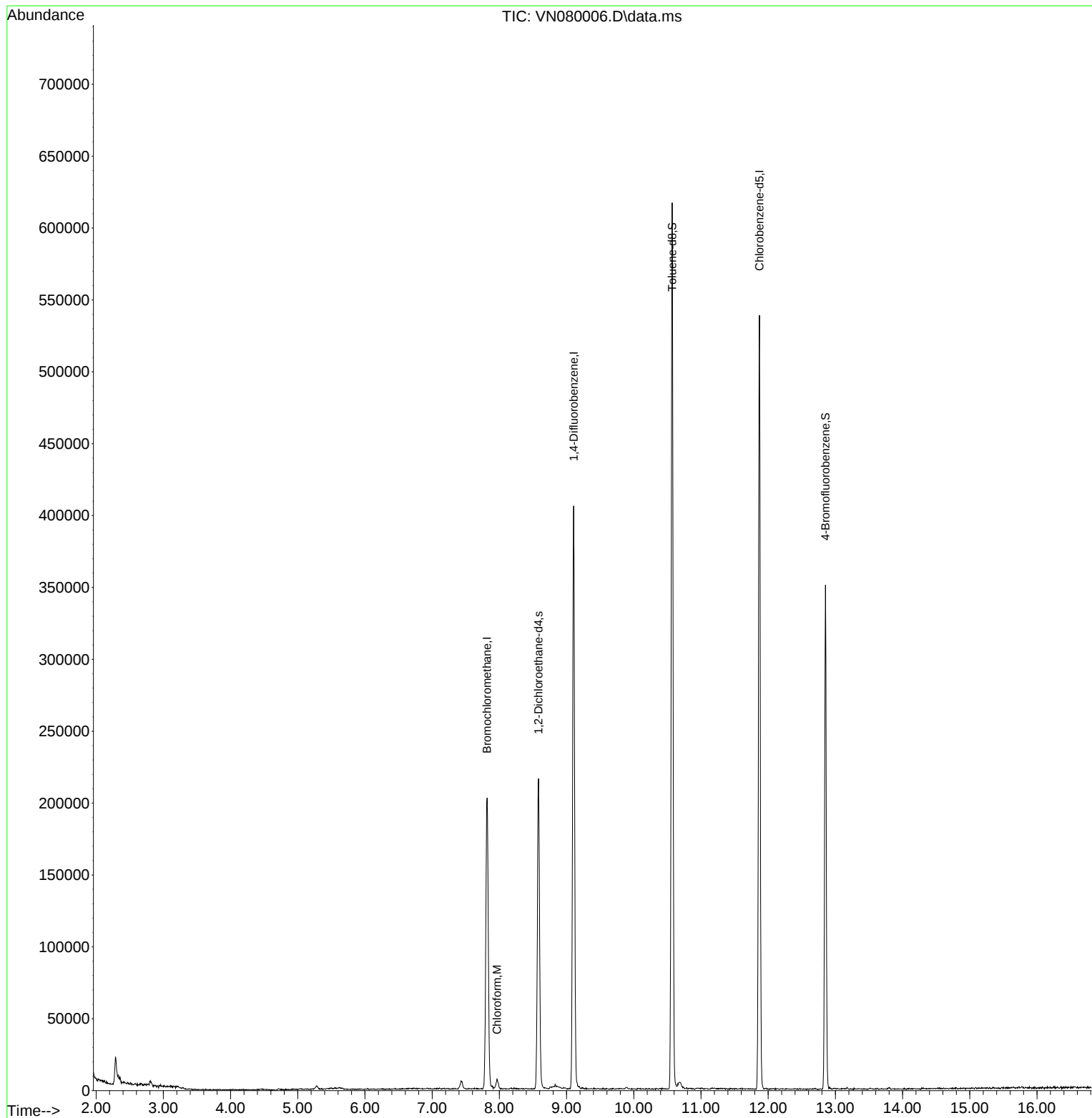
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 7.818  | 128   | 70569    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.106  | 114   | 330451   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.870 | 117   | 314719   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.582  | 65    | 182633   | 30.831   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 102.767% |
| 60) 4-Bromofluorobenzene    | 12.853 | 95    | 117274   | 23.302   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 77.667%  |
| 63) Toluene-d8              | 10.571 | 98    | 420826   | 28.221   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 94.067%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 25) Chloroform              | 7.965  | 83    | 6601     | 0.722    | ug/l # | 81       |
| -----                       |        |       |          |          |        |          |

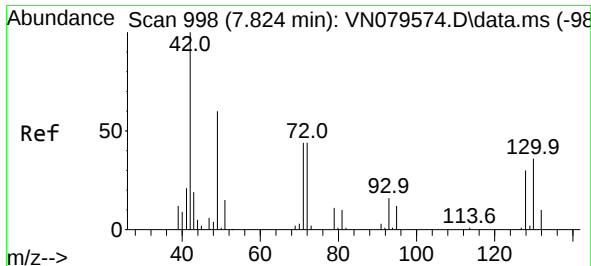
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N110823W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Thu Nov 09 04:02:05 2023  
Response via : Initial Calibration

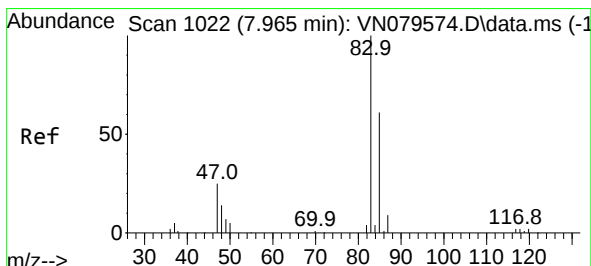
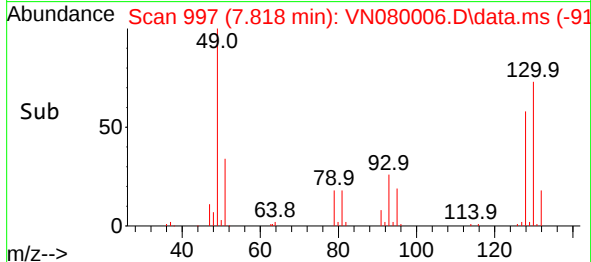
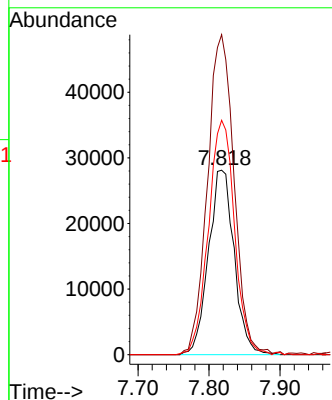
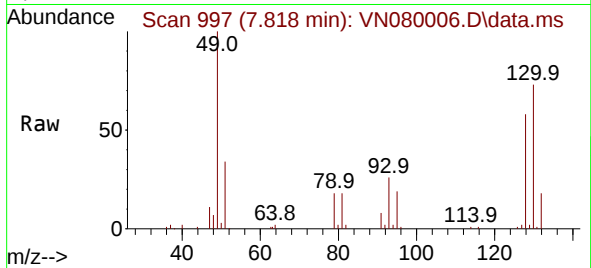




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: VN080006.D  
Acq: 08 Nov 2023 21:31

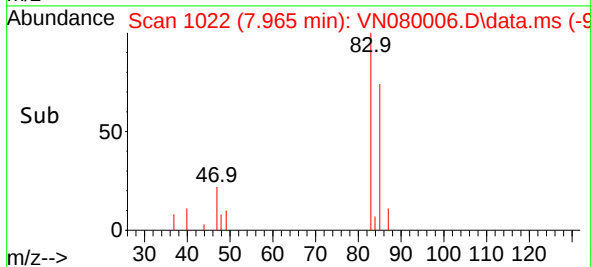
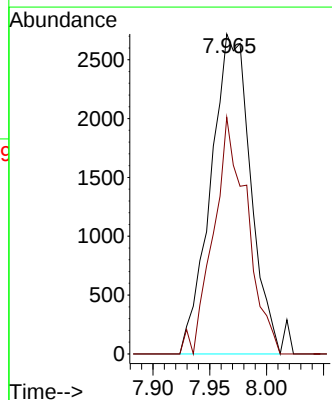
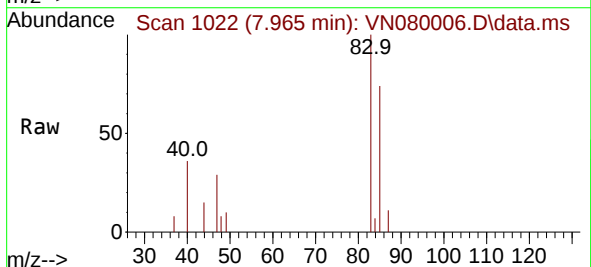
Instrument :  
MSVOA\_N  
ClientSampleId :  
14B-3

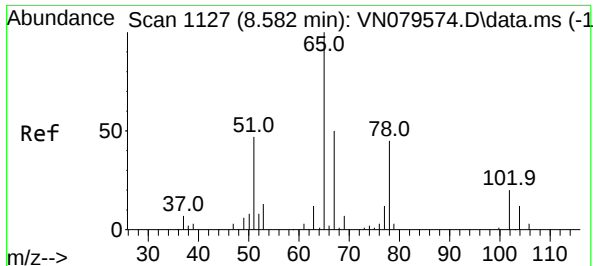
Tgt Ion:128 Resp: 70569  
Ion Ratio Lower Upper  
128 100  
49 179.0 0.0 468.5  
130 129.4 0.0 320.7



#25  
Chloroform  
Concen: 0.722 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. -0.000 min  
Lab File: VN080006.D  
Acq: 08 Nov 2023 21:31

Tgt Ion: 83 Resp: 6601  
Ion Ratio Lower Upper  
83 100  
85 73.9 47.4 71.2#





#27

1,2-Dichloroethane-d4

Concen: 30.831 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080006.D

Acq: 08 Nov 2023 21:31

Instrument :

MSVOA\_N

ClientSampleId :

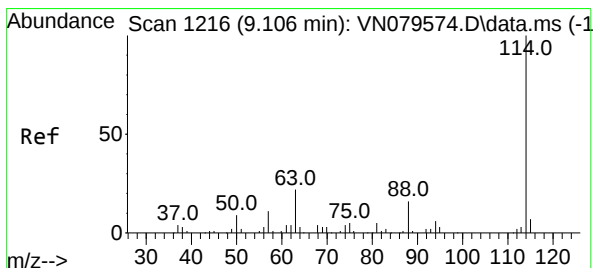
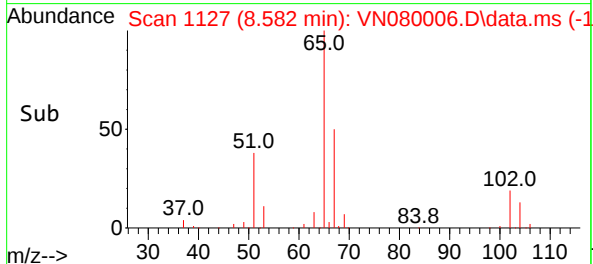
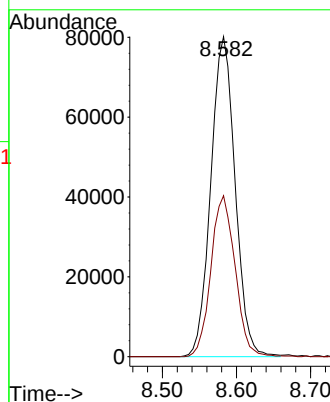
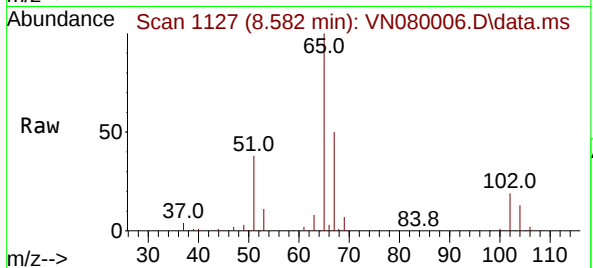
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Tgt Ion: 65 Resp: 182633

Ion Ratio Lower Upper

65 100

67 50.0 42.1 63.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080006.D

Acq: 08 Nov 2023 21:31

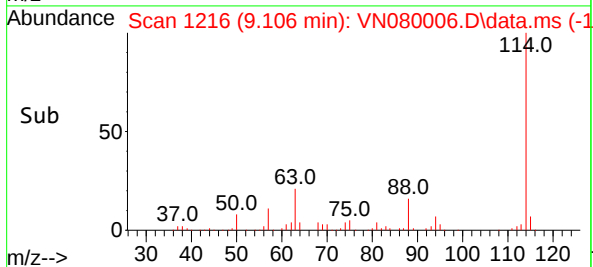
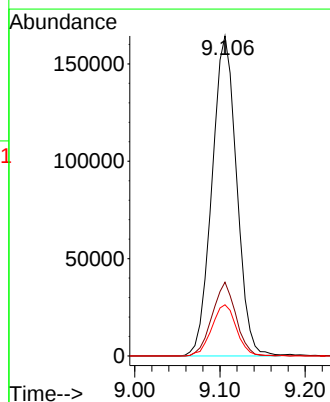
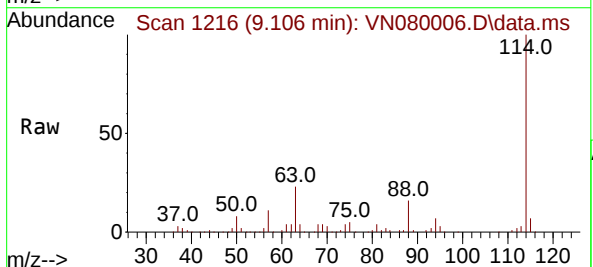
Tgt Ion: 114 Resp: 330451

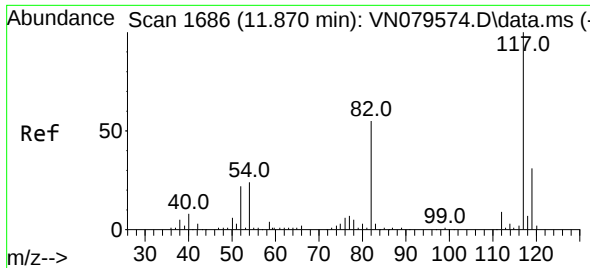
Ion Ratio Lower Upper

114 100

63 22.2 18.1 27.1

88 16.0 12.2 18.2

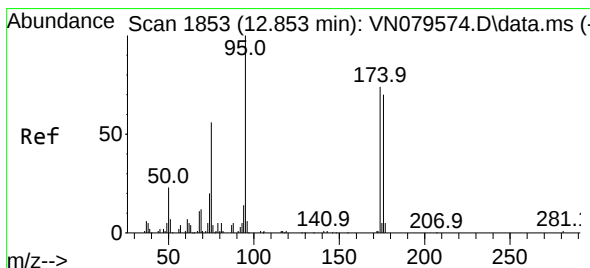
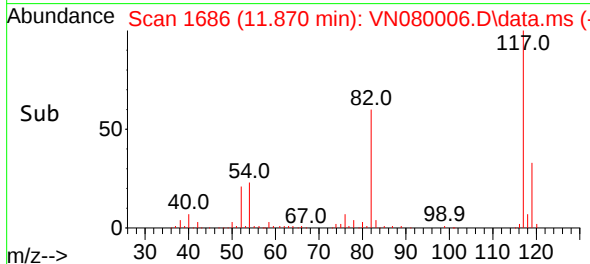
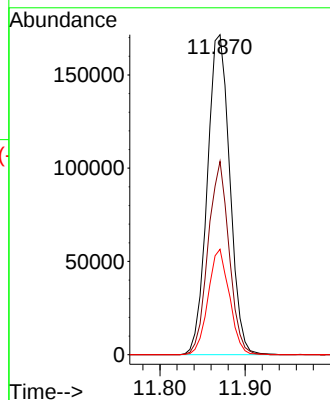
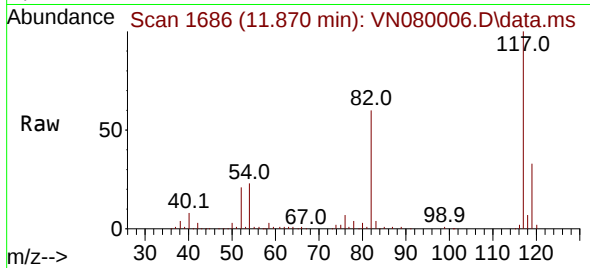




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.870 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN080006.D  
Acq: 08 Nov 2023 21:31

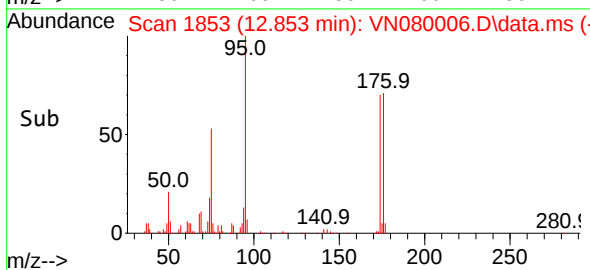
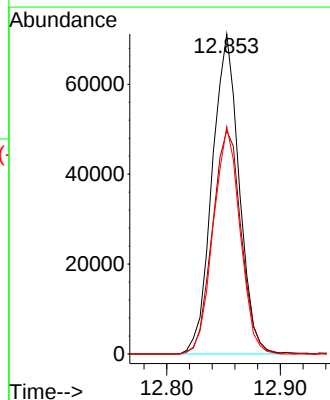
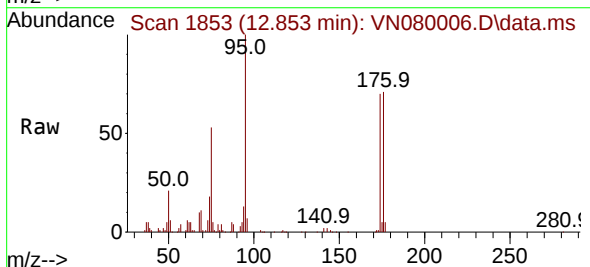
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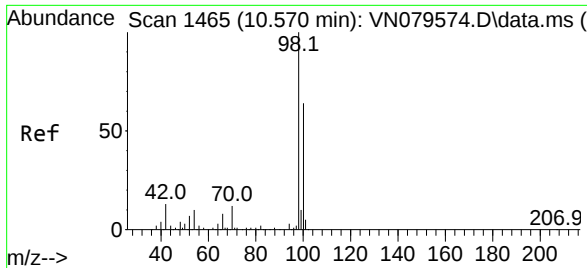
Tgt Ion:117 Resp: 314719  
Ion Ratio Lower Upper  
117 100  
82 56.5 46.2 69.2  
119 31.2 25.2 37.8



#60  
4-Bromofluorobenzene  
Concen: 23.302 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN080006.D  
Acq: 08 Nov 2023 21:31

Tgt Ion: 95 Resp: 117274  
Ion Ratio Lower Upper  
95 100  
174 74.8 60.5 90.7  
176 70.5 57.2 85.8





#63

Toluene-d8

Concen: 28.221 ug/l

RT: 10.571 min Scan# 14

Delta R.T. 0.001 min

Lab File: VN080006.D

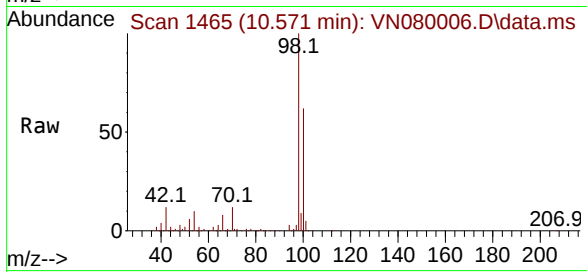
Acq: 08 Nov 2023 21:31

Instrument :

MSVOA\_N

ClientSampleId :

14B-3



Tgt Ion: 98 Resp: 420826

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4

